



Information Required for Permits for Storage Tanks Containing Fuel or Volatile Organic Compounds

I. EQUIPMENT INFORMATION – Complete a separate form for each tank.

Tank Description: _____

Date Construction Commenced: _____ Initial Fill Date: _____

Location: ☐ Underground ☐ Aboveground

A. Tank Type

1. Fixed Roof Tanks:

- ☐ Floating Roof Covered Type
- ☐ Floating Roof Open Type:
 - ☐ Pan
 - ☐ Pontoon
 - ☐ Double Deck

2. Variable Vapor Space Tanks:

- ☐ Lifter Roof
- ☐ Flexible Diaphragm
- Seal Type:
 - ☐ Single
 - ☐ Double
 - ☐ Welded

3. Pressure Tanks:

- ☐ Spheroid
- ☐ Horizontal Cylinder
- ☐ Vertical Cylinder

Internal Pressure: _____ @ _____ °F

Connected to Other Tanks? ☐ Yes ☐ No

Specify Other Tanks: _____

4. Other Tank Type (specify): _____

B. Tank Information

Height (feet) _____ Inside Diameter (feet) _____ Roof Slope (inches/ft) _____

Roof Color _____ Side Color _____

Tank Fill Capacity (gallons) _____ Annual Throughput (gallons/year) _____

	Yes	No	If Yes:
Insulated?	<input type="checkbox"/>	<input type="checkbox"/>	Material Type: _____
Heated?	<input type="checkbox"/>	<input type="checkbox"/>	Temperature (°F): _____
Lined?	<input type="checkbox"/>	<input type="checkbox"/>	Liner Type: _____

For variable vapor space systems:

Actual Annual Number of Shipments into Tank: _____

Actual volume per shipment (gallons): _____

Potential volume expansion capability of variable vapor space (gallons): _____

Pressure Setting (lb/in²): _____ Vacuum Setting (lb/in²): _____

C. Liquid Information

Liquid Type	Molecular Weight
Average Bulk Liquid Temperature (°F)	True vapor pressure at average bulk liquid temperature (psia)
Average density at bulk liquid conditions (lbs/gal)	

D. Stack Information

Is unit equipped with multiple stacks? ☐ Yes ☐ No (if yes, provide data for each stack)

Identify other devices on this stack: _____

Is Section 123 of the Clean Air Act applicable? ☐ Yes ☐ No

Is stack monitoring used? ☐ Yes ☐ No

If yes, Describe: _____

Is stack capped or otherwise restricted? ☐ Yes ☐ No

If yes, Describe: _____

Stack exit orientation: ☐ Vertical ☐ Horizontal ☐ Downward

Stack <input type="checkbox"/> Inside Diameter (ft) <input type="checkbox"/> Exit Area (ft ²)	Discharge height above ground level (ft)
Exhaust Flow (acfm)	Exhaust Velocity (ft/sec)
Exhaust Temperature (°F)	

E. Hours of Operation

Hours per day: _____ Days per year: _____

II. POLLUTION CONTROL EQUIPMENT ☐ Not Applicable

A. Type of Equipment *Note: if process utilizes more than one control device, provide data for each device*

- | | |
|---|---|
| <input type="checkbox"/> baffled settling chamber | <input type="checkbox"/> wide bodied cyclone |
| <input type="checkbox"/> long cone cyclone | <input type="checkbox"/> irrigated long cone cyclone |
| <input type="checkbox"/> multiple cyclone (_____ inch diameter) | <input type="checkbox"/> carbon absorption |
| <input type="checkbox"/> electrostatic precipitator | <input type="checkbox"/> irrigated electrostatic precipitator |
| <input type="checkbox"/> spray tower | <input type="checkbox"/> absorption tower |
| <input type="checkbox"/> venturi scrubber | <input type="checkbox"/> baghouse |
| <input type="checkbox"/> afterburners (incineration) | <input type="checkbox"/> packed tower/column |
| <input type="checkbox"/> selective catalytic reduction | <input type="checkbox"/> selective non-catalytic reduction |
| <input type="checkbox"/> reburn | |
| <input type="checkbox"/> other (specify): _____ | |

B. Pollutant Input Information

Pollutant	Temperature (°F)	Actual (lb/hr)	Potential (lb/hr)	Actual (ton/yr)	Potential (ton/yr)

Method used to determine entering emissions:

☐ stack test ☐ vendor data ☐ emission factor ☐ material balance
☐ other
(specify): _____

C. Operating Data

- Capture Efficiency: _____% Verified by: ☐ test ☐ calculations
- Control Efficiency: _____% Verified by: ☐ test ☐ calculations
- Normal Operating Conditions (*supply the following data as applicable*)

Total gas volume through unit (acfm)

Temperature (°F)

Percent Carbon Dioxide (CO₂)

Voltage

Spark Rate

Milliamps

Pressure Drop (inches of water)

Liquid Recycle Rate (gallons per minute)

III. DEVICE EMISSIONS DATA:

Pollutant	Temperature (°F)	Actual (lb/hr)	Potential (lb/hr)	Actual (ton/yr)	Potential (ton/yr)

Method used to determine exiting emissions:

☐ stack test ☐ vendor data ☐ emission factor ☐ material balance
☐ other (specify): _____